

Please amend the claims as follows:

1. (currently amended) An adapter device for holding a blade having a first and a second side onto a distal end of a holder of a spade drill, said adapter comprising:

a body of generally cylindrical configuration, said body having a first and a second extremity, said body defining a first flute and a second flute disposed diametrically opposite to said first flute, said body also defining a bore which extends from said second extremity of said body for the flow therethrough of coolant, said body further defining a first and a second branch bore, said branch bores extending from said bore to said first extremity of said body;

said second extremity of said adapter removably cooperating with the distal end of the holder;
and

said first extremity of said body defining a diametrical slot disposed between said flutes for the replaceable reception therein of the blade such that coolant flowing through said first branch bore is directed towards the first side of the blade and coolant flowing through said second branch bore is directed towards said second side of the blade: ;

said second extremity of said body defines a diametrically extending ridge:

an extension extending away from said ridge:

the distal end of the holder defining a channel and a chamber for the removable reception therein of said ridge and said extension respectively; and

a fastener for fastening said extension within said chamber such that in use of said adapter device, when the holder is rotated, said ridge and said channel cooperate with each other to drive said body and the blade secured thereto.

2. (original) An adapter device as set forth in claim 1 wherein

said body is fabricated from steel.

3. (original) An adapter device as set forth in claim 1 wherein

said first flute permits the flow therethrough of coolant flowing from said first branch bore past the first side of the blade towards the holder;

said second flute permits the flow therethrough of coolant flowing from said second branch bore past the second side of the blade towards the holder.

4. (original) An adapter device as set forth in claim 1 wherein

said first flute extends from said first extremity to said second extremity of said body;

said second flute extends from said first extremity to said second extremity of said body;

5. (original) An adapter device as set forth in claim 1 wherein

said bore has a first and a second termination, said second termination being disposed adjacent to said second extremity of said body.

6. (original) An adapter device as set forth in claim 5 wherein

said first branch bore has a first and a second end, said second end of said first branch bore extending from said first termination of said bore, said first end of said first branch bore being disposed adjacent to said first extremity of said body;

said second branch bore has a first and a second extremity, said second extremity of said second branch bore extending from said first termination of said bore, said first extremity of said second branch bore being disposed adjacent to said first extremity of said body.

7. (canceled)

8. (original) An adapter device as set forth in claim 1 wherein

said body includes:

an extension which extends away from said second extremity of said body, said extension being removably fastened to the holder.

9. (original) An adapter device as set forth in claim 1 wherein

said diametrical slot includes:

a base having a first and a second end;

said slot having a first and a second wall;

said first wall defining a first threaded bore;

a fastener extending through the blade and threadably cooperating with said first threaded bore for removably securing the blade within said slot;

said second wall defining a second threaded bore;

a further fastener extending through the blade and threadably cooperating with said second threaded bore for removably securing the blade within said slot.

10. (original) An adapter device as set forth in claim 9 wherein

said body further includes:

a stud disposed between said first and second ends of said base, said stud extending into a recess defined by the blade for locating the blade relative to said adapter device.

11. (original) An adapter device as set forth in claim 1 wherein

said first extremity of said body defines a first surface where said first branch bore terminates;

said first extremity of said body defines a second surface where said second branch bore terminates.

12. (currently amended) A spade drill apparatus comprising:

a holder having a distal end;

an adapter device including:

a body of generally cylindrical configuration, said body having a first and a second extremity, said body defining a first flute and a second flute disposed diametrically opposite to said first flute, said body also defining a bore which extends from said second extremity of said body for the flow therethrough of coolant, said body further defining a first and a second branch bore, said

branch bores extending from said bore to said first extremity of said body;

said second extremity of said adapter device removably cooperating with said distal end of said holder;

a blade having a first and a second side, said blade being removably secured to said first extremity of said adapter device; and

said first extremity of said body defining a diametrical slot disposed between said flutes for the replaceable reception therein of said blade such that coolant flowing through said first branch bore is directed towards said first side of said blade and coolant flowing through said second branch bore is directed towards said second side of the blade: ;

said second extremity of said body defines a diametrically extending ridge:

an extension extending away from said ridge;

the distal end of the holder defining a channel and a chamber for the removable reception therein of said ridge and said extension respectively; and

a fastener for fastening said extension within said chamber such that in use of said adapter device, when the holder is rotated, said ridge and said channel cooperate with each other to drive

said body and the blade secured thereto.

13. (canceled)

14. (currently amended) A spade drill apparatus comprising:

a holder having a distal end;

an adapter device including:

a body of generally cylindrical configuration, said body having a first and a second extremity,
said body defining a first flute and a second flute disposed diametrically opposite to said first
flute, said body also defining a bore which extends from said second extremity of said body for
the flow therethrough of coolant, said body further defining a first and a second branch bore, said
branch bores extending from said bore to said first extremity of said body;

said second extremity of said adapter device removably cooperating with said distal end of said
holder;

a blade having a first and a second side, said blade being removably secured to said first
extremity of said adapter device;

said first extremity of said body defining a diametrical slot disposed between said flutes for the replaceable reception therein of said blade such that coolant flowing through said first branch bore is directed towards said first side of said blade and coolant flowing through said second branch bore is directed towards said second side of said blade;

said distal end of said holder defines a channel;

said second extremity of said body defines a diametrically extending ridge for the removable reception thereof within said channel defined by the distal end of said holder such that in use of said adapter device, when said holder is rotated, said ridge and said channel cooperate to drive said body and said blade secured thereto;

~~An adapter device as set forth in claim 13 wherein~~

said body includes:

an extension of truncated conical configuration, said extension extending away from said ridge;

a chamber extending from said channel for the removable reception therein of said extension;

and

a locking fastener adjustably movable through said holder towards said truncated conical

extension such that when said locking fastener is disposed in a locking disposition thereof, said extension is locked within said bore so that said adapter device is secured to said distal end of said holder.

15. (canceled)